

HG4

## Chemical Properties

CAS No. :

Formula: C99H182N26O24

Molecular Weight: 2120.66

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	HG4 is an antimicrobial peptide with rapid anti-biofilm and anti-inflammatory properties. It exhibits potent activity against Gram-positive pathogens, notably MRSA strains, with a minimum inhibitory concentration (MIC) ranging from 32 to 64 µg/mL. HG4 targets bacterial lipids and diminishes ATP levels in <i>S. aureus</i> MRSA USA300 cells [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4716 mL	2.3578 mL	4.7155 mL
5 mM	0.0943 mL	0.4716 mL	0.9431 mL
10 mM	0.0472 mL	0.2358 mL	0.4716 mL
50 mM	0.0094 mL	0.0472 mL	0.0943 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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